

06-22-2000



To the Honorable Commissioner of Pa

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shed original documents or copy thereof.

1. Name of conveying party(ies): Motoomi ARAKAWA, Kazuaki SUKATA, Yasuyuki AGARI and Masayuki SHIMADA Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		2. Name and address of receiving party(ies) Name: Orient Chemical Industries, Ltd. Internal Address: Street Address: 1-7-14, Shinmori, Asahi-ku, Osaka-shi City: Osaka-fu State: ZIP: Country: Japan Postal Code: Additional name(s) & address(es) attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input checked="" type="checkbox"/> Other: Correction of first assignee's address to correspond to the address on the executed Assignment Execution Date: December 14, 1999			
4. Application number(s) or patent number(s): 09/472,975 If this document is being filed together with a new application, the execution date of the application is: A. Patent Application No(s). 09/472,975 B. Patent No.(s) Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
5. Name and address of party to whom correspondence concerning document should be mailed: Name: BIRCH, STEWART, KOLASCH & BIRCH, LLP Internal Address: Street Address: P.O. BOX 747 City: FALLS CHURCH State: VA ZIP: 22040-0747		6. Total number of applications and patents involved: 1 7. Total fee (37 C.F.R. § 3.41): \$40.00 <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account 8. Deposit account number: 02-2448 (Attach triplicate copy of this page if paying by deposit account)	
06/21/2000 00000090 09472975 01 FC:581 40.00 DP			
DO NOT USE THIS SPACE			
9. Statement and signature. <i>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document</i> <div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div style="text-align: center;"> <u>John W. Bailey, #32,881</u> Name of Person Signing/Reg. No. </div> <div style="text-align: center;"> Signature </div> <div style="text-align: center;"> <u>JUN - 1 2000</u> Date </div> </div>			
Total number of pages including cover sheet, attachments, and document: 11			

Mail documents to be recorded with required cover sheet information to:
 Commissioner of Patents & Trademarks, Box Assignments
 Washington, DC 20231

Attachment to Recording of Assignment Transmittal

Continuation of Box 1--Name of conveying party(ies):

Continuation of Box 2--Name and address of receiving party(ies):

Osaka Municipal Government
1-3-20, Nakanoshima, Kita-ku, Osaka-shi
Osaka-fu, Japan

Continuation of Box 4--Application number(s) or patent number(s):

01-21-2000

Atty. Docket No.: 20-4656P

Page 1 of 2



101249240

ER SHEET

JCS11 U.S. PTO

09/472975

12/28/99

To the Honorable Commissioner of Patents and Trademarks:
Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

ARAKAWA, Motoomi; SUKATA, Kazuaki; AGARI, Yasuyuki; SHIMADA, Masayuki

Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

2. Name and address of receiving party(ies)

Name: Orient Chemical Industries, Ltd.

Internal Address:

Street Address: 1-7-14, Shinmori, Asahi-ku, Osaka-fu,

City: Osaka-shi

State:

ZIP:

Country: Japan

Postal Code:

Additional name(s) & address(es) attached? ☒ Yes ☐ No

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other:

Execution Date: December 14, 1999

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: December 14, 1999

A. Patent Application No(s).

New

09/472975

Additional numbers attached? ☐ Yes ☒ No

B. Patent No(s).

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: BIRCH, STEWART, KOLASCH & BIRCH, LLP

Street Address: P.O. BOX 747

City: FALLS CHURCH State: VA ZIP: 22040-0747

Country: USA

6. Total No. of applications/patents involved: One (1)

7. Total fee (37 C.F.R. § 3.41): \$40.00

☒ Enclosed☒ Authorized to be charged to deposit account, if no fee attached.

8. Deposit account number: 02-2448

(Attach triplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

John W. Bailey, #32,881

Name of Person Signing/Reg. No.

Signature

December 28, 1999

Date

Total number of pages including cover sheet, attachments, and document: Four (4)

Mail documents to be recorded with required cover sheet information to:
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Washington, DC 20231

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PATENT
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Continuation of Box 1--Name of conveying party(ies):

Continuation of Box 2--Name and address of receiving party(ies):

**Osaka Municipal Government
1-3-20, Nakanoshima, Kita-ku,
Osaka-shi, Osaka-fu, Japan**

Continuation of Box 4--Application number(s) or patent number(s):

BIRCH, STEWART, KOLASCH & BIRCH, LLP

UNITED STATES PATENT RIGHTS, OR
UNITED STATES PLUS ALL FOREIGN PATENT RIGHTS

ATTORNEY DOCKET NO.
20-4656P

ASSIGNMENT

Application No. New

Filed 12-28-99

Insert Name(s)
of Inventor(s)

➡ WHEREAS, _____

Motoomi ARAKAWA, Kazuaki SUKATA,

Yasuyuki AGARI and Masayuki SHIMADA

(hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in _____

Insert Title
of Invention

➡ ORGANIC-INORGANIC HYBRID MATERIALS, AND PROCESSES FOR

PREPARING THE SAME

for which an application for Letters Patent of the United States of America has been executed by the undersigned (except in the case of a provisional application).

Insert Date
of Signing of
Application

➡ on December 14, 1999; and

Insert Name
of Assignee

➡ WHEREAS, _____

Orient Chemical Industries, Ltd.

of 1-7-14, Shinmori, Asahi-ku, Osaka-shi, Osaka-fu, Japan and

Insert Address
of Assignee

➡ ~~at~~ Osaka Municipal Government

of 1-3-20, Nakanoshima, Kita-ku, Osaka-shi, Osaka-fu, Japan

its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the United States of America and

CHECK BOX
IF APPROPRIATE

➡ ☐ in any and all foreign countries.

NOW, THEREFORE, in consideration of the sum of Ten Dollars (\$10.00) to the undersigned in hand paid, the receipt of which is hereby acknowledged, and other good and valuable consideration, the undersigned has (have) sold, assigned and transferred, and by these presents does sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States of America, its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America, its territories, dependencies and possessions, and if the box above is designated, in any and all foreign countries;

and to any and all divisions, reissues, continuations, conversions and extensions thereof for the full term or terms for which the same may be granted.

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional, conversion or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division, conversion or reissue thereof or Letter Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States of America patent(s) or a grant of a valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patents resulting from said application or any continuing, divisional conversion or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the law firm of Birch, Stewart, Kolasch & Birch, LLP the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

The undersigned hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date	<u>12/14/1999</u>	Name of Inventor	<u>Motoomi Arakawa</u> (signature) Motoomi ARAKAWA
Date	<u>12/14/1999</u>	Name of Inventor	<u>Kazuaki Sukata</u> (signature) Kazuaki SUKATA
Date	<u>12/14/1999</u>	Name of Inventor	<u>Yasuyuki Agari</u> (signature) Yasuyuki AGARI
Date	<u>12/14/1999</u>	Name of Inventor	<u>Masayuki Shimada</u> (signature) Masayuki SHIMADA
Date	_____	Name of Inventor	_____ (signature)
Date	_____	Name of Inventor	_____ (signature)